

IN THE CLAIMS

Claim 7 has been added. Claims 1 – 6 have been amended, as follows:

1. (Currently Amended) An array driving system for driving a plurality of loads comprising:

the plurality of loads arranged like an array; and

a plurality of driving circuits provided to correspond with the plurality of loads, respectively,

wherein one terminals of the plurality of loads are respectively connected to corresponding outputs of the plurality of driving circuits and the other terminals thereof are connected each other, and

wherein driving signals are respectively supplied to the plurality of loads so that a phase of the driving signal supplied to one of the plurality of loads is opposed to that of the driving signal supplied to the adjacent loads and subsequent driving signals of the driving signals are generated by applying a predetermined delay to a first drive signal.

2. (original) The array driving system according to claim 1, wherein the other terminals of the plurality of loads connected each other are grounded.

3. (original) The array driving system according to claim 1, wherein the plurality of loads include a plurality of speaker units, the plurality of driving circuits include a plurality of amplifiers, and the plurality of speaker units are connected to the plurality of amplifiers, respectively, such that the adjacent speaker unit have an opposite polarity mutually.

4. (original) The array driving system according to claim 3, wherein a plurality of inverters are connected to the corresponding amplifiers, respectively, so as to invert phase of input signals supplied to the corresponding amplifiers.

5. (original) The array driving system according to claim 1, wherein the plurality of loads include a plurality of LEDs; anodes and cathodes of adjacent LEDs are alternatively connected to a common line, ones of the plurality of driver circuits are connected between the anodes of the LEDs, cathodes of which are connected to the common line, and a positive power supply, and the others of the plurality of driver circuits are connected between the cathodes of the LEDs, anodes of which are connected to the common line, and a negative power supply.

6. (currently amended) A method of driving a plurality of loads which are arranged like an array, the method comprising the steps of:

respectively supplying driving signals to the plurality of loads so that a phase of the driving signal supplied to one of the plurality of loads is opposed to that of the driving signal supplied to the adjacent loads, wherein subsequent driving signals of the driving signals are generated by applying a predetermined delay to a first drive signal.

7. (new) An array driving system for driving a number n of loads comprising:
the n number of loads arranged like an array; and
a number n of driving circuits provided to correspond with the n number of loads,
respectively,

wherein one terminal of the n number of loads are respectively connected to corresponding outputs of the n number of driving circuits and the other terminals thereof are connected each other which only requires $(n + 1)$ wirings for the array driving system, and

wherein driving signals are respectively supplied to the n number of loads so that a phase of the driving signal supplied to one of the n number of loads is opposed to that of the driving signal supplied to the adjacent loads.